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|--|----|------------------------|--------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence during pendency of filed application)</i> |    | Application Number     | 10/714,076         |
|  |    | Filing Date            | November 14, 2003  |
|  |    | First Named Inventor   | Vikrant Kasarabada |
|  |    | Group Art Unit Number  | 2614               |
|  |    | Examiner Name          | Not yet known      |
| Total Number of Pages in This Submission   | 5* | Attorney Docket Number | 18602-08156        |

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| Signature:                            |                                  |               |
| Attorney/Reg. No.:                    | Robert R. Sachs, Reg. No. 42,120 | Dated: 2/2/05 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Vikrant Kasarabada et al.  
APPLICATION NO.: 10/714,076  
FILING DATE: November 14, 2003  
TITLE: SCENE CHANGE IDENTIFICATION DURING ENCODING OF  
COMPRESSED VIDEO  
EXAMINER: Not yet assigned  
GROUP ART UNIT: 2614  
ATTY. DKT. NO.: 18602-08156

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**INFORMATION DISCLOSURE STATEMENT**

**Under 37 CFR §§ 1.56 and 1.97-98**

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;


**PATENT**

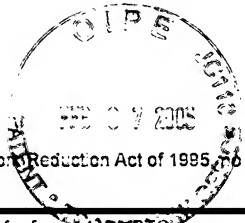
- ☒ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☒ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,  
VIKRANT KASARABADA ET AL.

Dated: 2/2/05

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Fax.: (650) 938-5200



Substitute for form 439A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**Complete if Known**

|                        |                    |
|------------------------|--------------------|
| Application No.        | 10/714,076         |
| Filing Date            | November 14, 2003  |
| First Named Inventor   | Vikrant Kasarabada |
| Art Unit               | 2613               |
| Examiner Name          | Not yet known      |
| Attorney Docket Number | 18602-08156        |

Sheet 1 of 2

## **U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document No.<br>Number – Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
|--------------------|-----------------------|--|--------------------|--|
|                    | A1                    | US-5,461,679   | 10-24-1995         | Normille et al.                                    |
|                    | A2                    | US-5,708,767   | 01-13-1998         | Yeo et al.   |
|                    | A3                    | US-5,774,593   | 06-30-1998         | Zick et al.  |
|                    | A4                    | US-6,018,367   | 01-25-2000         | Handley  |
|                    | A5                    | US-6,108,448   | 08-22-2000         | Song et al.  |

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> –<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
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| Examiner Signature |  | Date Considered |  |
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| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | <b>Complete if Known</b> |                    |
|   |   |    |   | Application No.          | 10/714,076         |
|   |   |    |   | Filing Date              | November 14, 2003  |
|   |   |    |   | First Named Inventor     | Vikrant Kasarabada |
|   |   |    |   | Art Unit                 | 2613               |
|   |   |    |   | Examiner Name            | Not yet known      |
| Sheet   | 2 | of | 2 | Attorney Docket Number   | 18602-08156        |

**OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T6 |
|--------------------|-----------|--|----|
|                    | C1        | CHUA et al., A General Framework for Video Segmentation Based on Temporal Multi-resolution Analysis, Proceedings of International Workshop on Advanced Image Technology, January 2000, pp. 119-124, Fujisawa, Japan  |    |
|                    | C2        | GARGI et al., Performance Characterization and Comparison of Video Indexing Algorithms, Proceedings of IEEE Conference on Computer Vision and Pattern Recognition, 1998, pp. 559-565   |    |
|                    | C3        | GÜNSEL et al., Content-Based Video Abstraction, International Conference on Image Processing, October 1998, Vol. 3   |    |
|                    | C4        | KHAN et al., Motion Based Object Tracking in MPEG-2 Stream for Perceptual Region Discriminating Rate Transcoding, Proceedings of the Ninth ACM International Conference on Multimedia, 2001, Vol. 9, pp. 572-576   |    |
|                    | C5        | KIM et al., Scene Change Detection and Classification Algorithm on Compressed Video Streams, International Technical Conference on Circuits/System, Computers and Communications (ITC-CSCC2001), July 2001, Tokushima Japan                                    |    |
|                    | C6        | LAN et al., Scene Context Dependent Reference Frame Placement for MPEG Video Coding, IEEE Transactions on Circuits & Systems for Video Tech.; Vol. 9, No. 3, April 1999.   |    |
|                    | C7        | MENG et al., Scene Change Detection in a MPEG Compressed Video Sequence, IS&T/SPIE Symposium Proceedings, February 1995, Vol. 2419, San Jose, California   |    |
|                    | C8        | MENG et al., Tools for Compressed-Domain Video Indexing and Editing, SPIE Conference on Storage and Retrieval for Image and Video Database, February 1996, Vol. 2670; page 180-191, San Jose, California   |    |
|                    | C9        | NGUYEN et al., Scene Context Dependent Rate Control, Proceeding of the 9 <sup>th</sup> ACM International Conference on Multimedia, 2001, Vol. 9, pp. 309-318   |    |
|                    | C10       | RUI et al., Constructing Table-of-Content for Videos, Multimedia Systems, September 1999, Vol. 7, No. 5, pp. 359-368   |    |
|                    | C11       | SONG et al., Fast Extraction of Spatially Reduced Image Sequences from MPEG-2 Compressed Video, IEEE Transactions on Circuits and Systems for Video Technology, October 1999, Vol. 9 No. 7, pp. 1100-1114  |    |
|                    | C12       | TASKIRAN et al., Video Scene Change Detection Using the Generalized Sequence Trace, Proceedings of IEEE International Conference on Acoustic, Speech, and Signal Processing, May 1998, pp. 2961-2964   |    |

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| Examiner Signature |  | Date Considered |  |
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18602/08156/SF/5135219.1